Materials and their uses

Material	Properties	Uses
wood	opaque hard strong	table
metal	shiny smooth reflective	fork
plastic	waterproof bendy translucent	water bottle
glass	transparent waterpoof hard	window
brick	hard rough dull	wall
rock	strong hard rigid	fireplace
paper	tears easily translucent flexible	book
cardboard	dull non-reflective opaque	boxes
fabric	flexible Soft absorbent	clothes

Key vocabulary - properties of materials

transparent	Completely see-through
translucent	Let some light through but not completely see-through.
opaque	Not able to be seen through.
flexible	Bends easily without breaking.
rigid	Unable to bend or be forced out of shape.
reflective	Reflects light easily.
non-reflective	Does not reflect light.
absorbent	Able to soak up liquid easily.

Why choose this material?

transparent

hard

strong
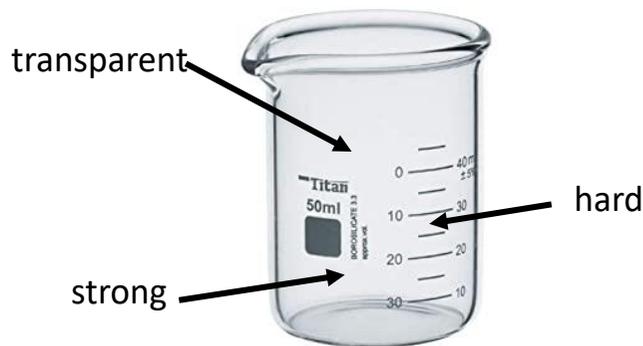
Changing materials

squashing
Clay can easily be pushed and pulled.

bending
Foil is bendy and waterproof.

twisting
This plastic bottle's shape can be changed.

stretching
A balloon is very flexible.

This chair has a fabric seat because it is soft.

It has wooden legs that are rigid and strong.